

FIG. 1

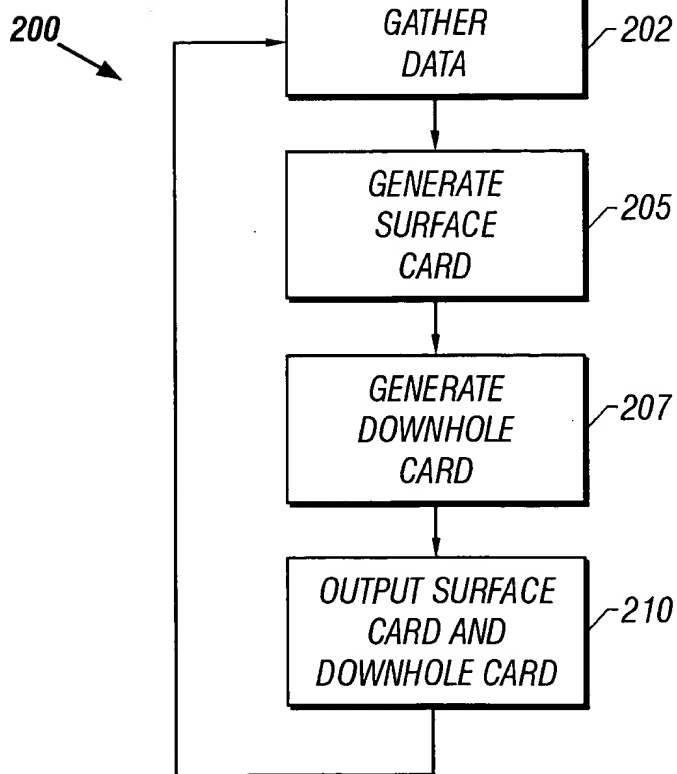


FIG. 3

2012041002660



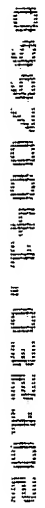


FIG. 2

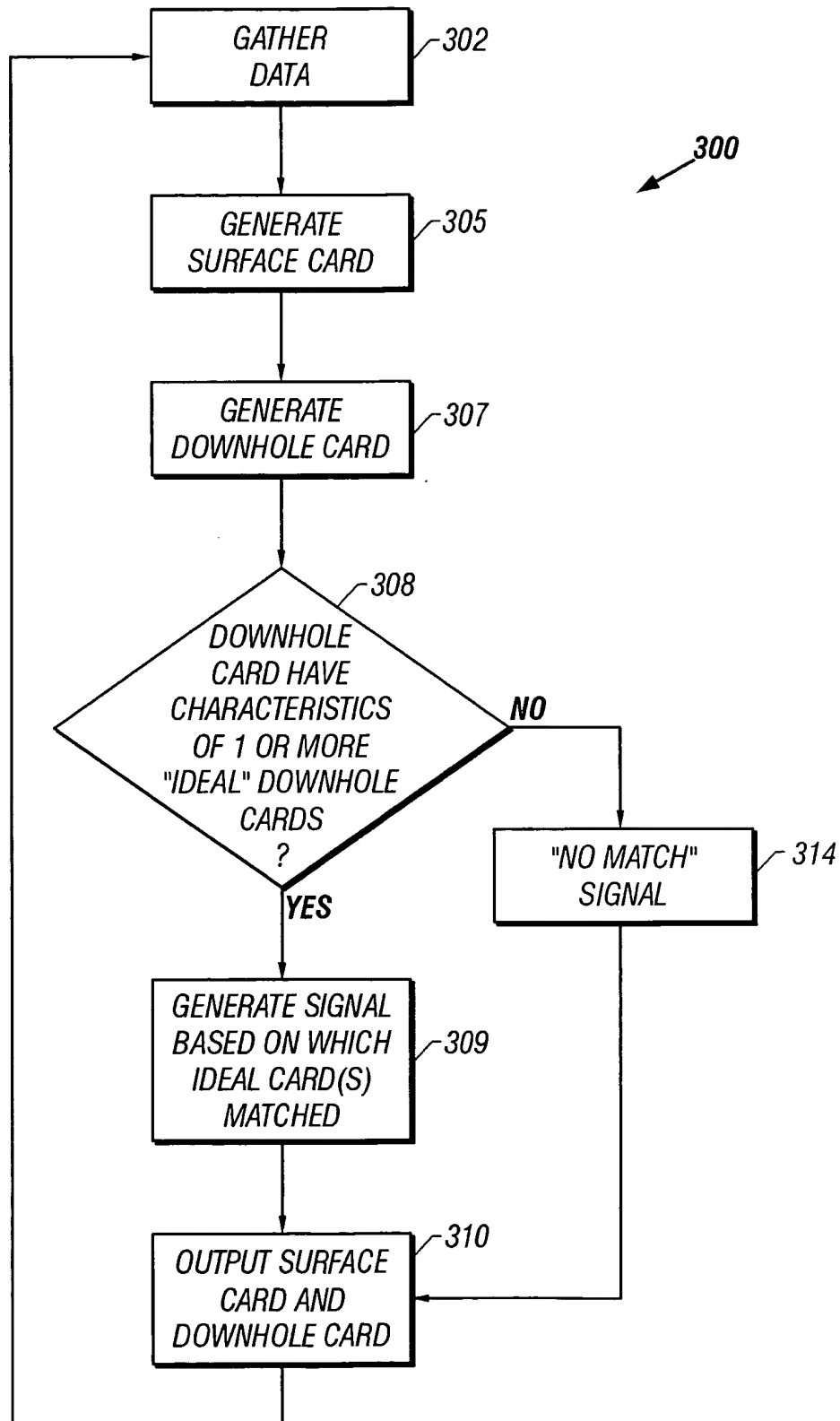


FIG. 4

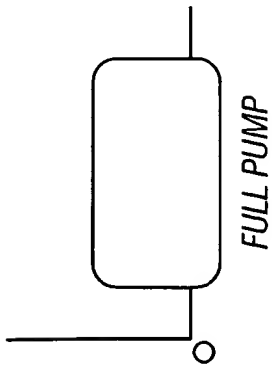


FIG. 5A

FULL PUMP

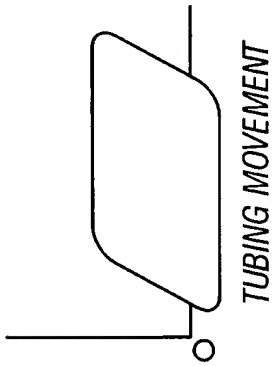


FIG. 5B

TUBING MOVEMENT

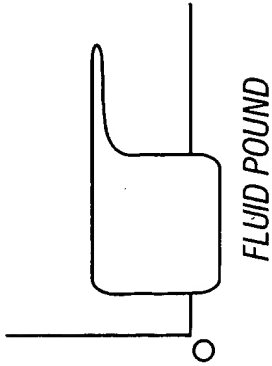


FIG. 5C

FLUID POUND

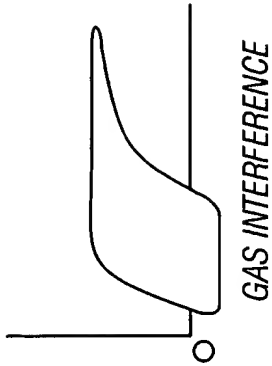
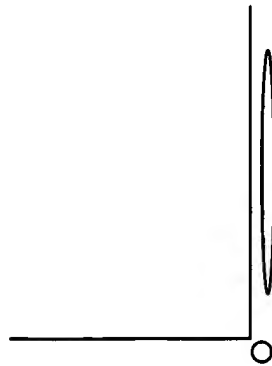


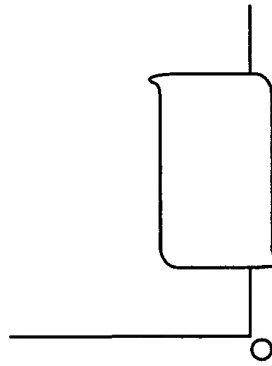
FIG. 5D

GAS INTERFERENCE



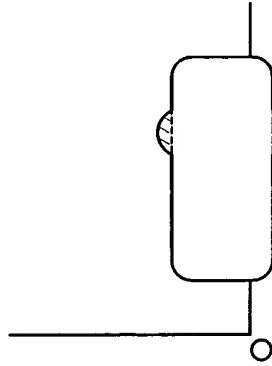
FLOWING WELL,
ROD PART,
INOPERATIVE PUMP

FIG. 5E



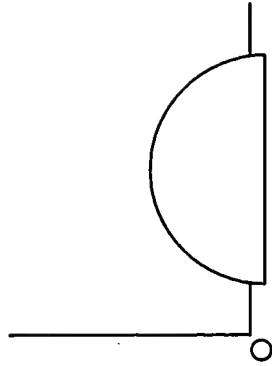
PUMP HITTING
UP OR DOWN

FIG. 5F



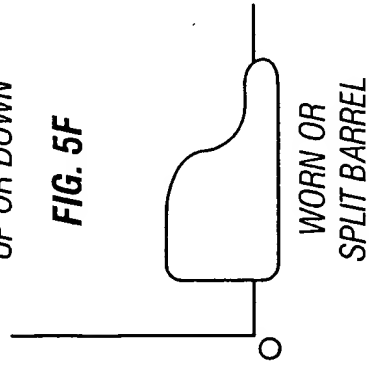
BENT BARREL OR
STICKING PUMP

FIG. 5G



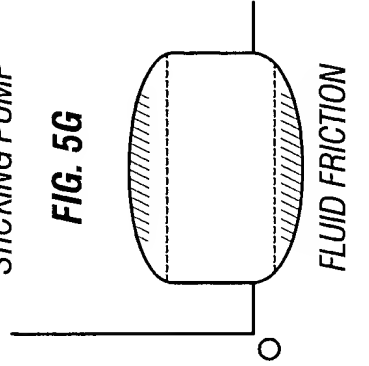
WORN PLUNGER OR
TRAVELING VALVE

FIG. 5H



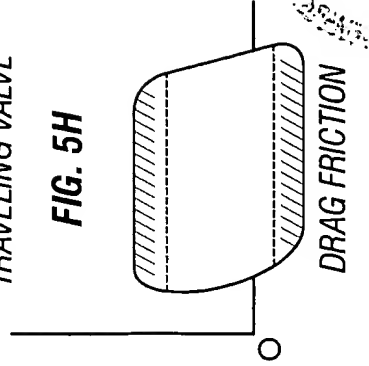
WORN OR
SPLIT BARREL

FIG. 5J



FLUID FRICTION

FIG. 5K



DRAG FRICTION

FIG. 5L





Display Type: SURFACE AND DOWNHOLE
Current State: Pumpins-Normal Mode.....004:46:58

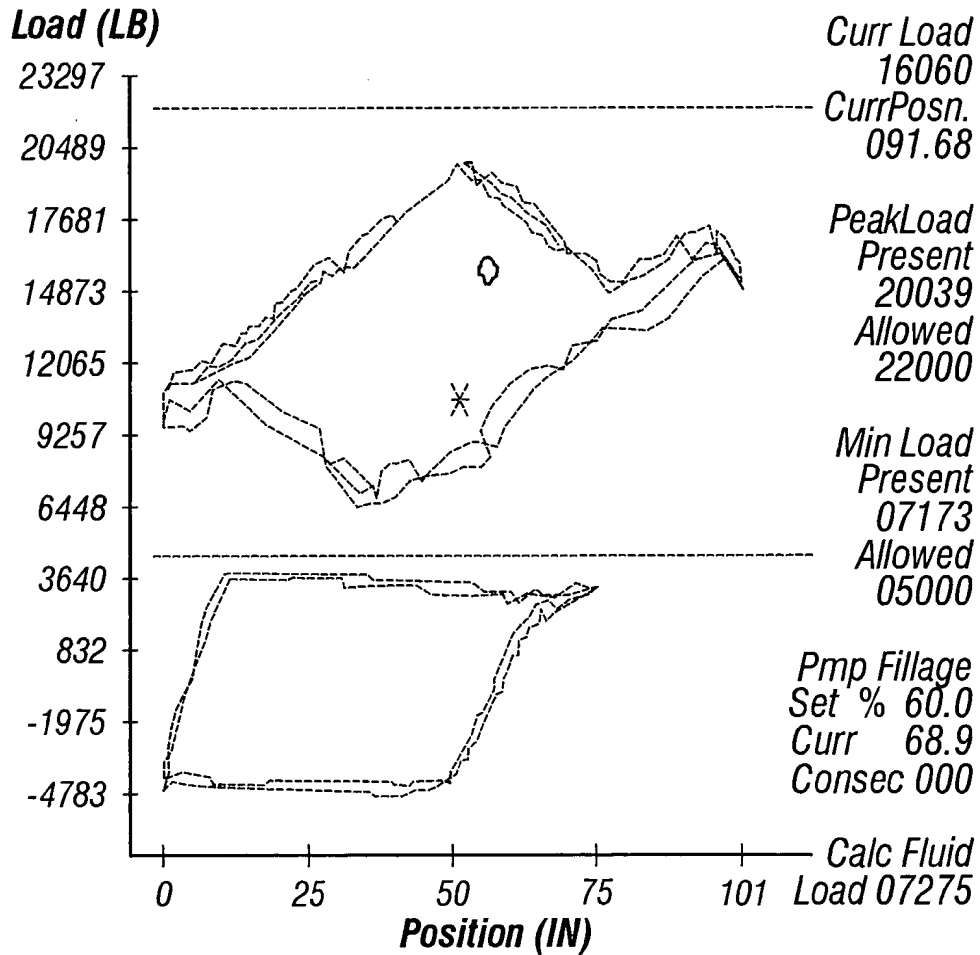


FIG. 6